Index for Volume 30 (1981)

COMPILED BY TROY L. BEST

Abbott, Donald P., see Morris, Robert H., –
Abele, Lawrence G., Kenneth L. Heck, Jr., Daniel S. Simberloff, and Geerat J. Vermeij, Biogeography of crab claw size: Assumptions and a null hypothesis, 406–424
Abronia, 250–267
  latifolia, 251, 257, 263, 264
  maritima, 251, 257, 263
  umbellata, 251, 257, 264
Acanthobothrium, 249
Achurimima, 435
  interioris, 427
Aepophilus, 335
Agastache, 79
Alatiplica spatulifera, 427
Albula, 125–146
  glossodonta, 130–132, 134–140, 142, 143
  nemoptera, 126
  neoguinaica, 130–132, 134–139, 142, 143
  virgata, 126, 142, 143
  vulpes, 126, 127, 143
Algansea, 41–57
  aphanea, 43, 46, 48, 50, 51, 53–55
  avia, 55
  barbata, 43, 46, 48, 50, 51, 53, 55
  lacustris, 43, 46, 48, 50, 51
  monticola, 43, 46, 48–51, 53–55
  popoche, 43, 46, 48, 50–52
  tincella, 43, 46, 48–51
Aliena arida, 427
Alligator, 236, 237
Allometry, 32–40, 291–308, 406–424
Ameiva, 152
Analysis,
  canonical variate, 268–280
  character, 1–11
  cluster, 41–57, 156–169
  discriminant, 250–267, 268–280
  multivariate, 250–267, 268–280, 291–308
  principal component, 250–267, 268–280, 291–308
  principal coordinate, 250–267
  spectral, 156–169
  Wagner, 281–290
Analytical techniques for Cartesian coordinate data with reference to the relationship between *Hylobates* and *Symphalangus* (Hylobatidae; Hominoidea), Robert S. Corruccini, 32–40
Anguidae, 152
Anisakidae, 249
Anolis, 152, 178
Aruntina alacris, 427
Asteraceae, 493
Astolfi, Paola, Kenneth K. Kidd, and L. L. Cavalli-Sforza, A comparison of methods for reconstructing evolutionary trees, 156–169
Atchley, William R., see Campbell, N. A., and –
Average linkage, 156–169

Barbour, Clyde D., see Jensen, Richard J., and –
Bathygobius, 401
Biochemical and morphological evolution of Hawaiian bonefishes (*Albula*), James B. Shaklee and Clyde S. Tamaru, 125–146
Biogeography of crab claw size: Assumptions and a null hypothesis, Lawrence G. Abele, Kenneth L. Heck, Jr., Daniel S. Simberloff, and Geerat J. Vermeij, 406–424
Bird, Jacqueline, Bruce Riska, and Robert R. Sokal, Geographic variation in variability of *Pemphigus populicaulis*, 58–70
Bookstein, F. L., see Humphries, J. M., –
Bopsula, 71
Boudreaux, H. Bruce, review by, 376–378
Briggs, John C., review by, 119–120
Brooks, Daniel R., Hennig's parasitological method: A proposed solution, 229–249
Brooks, Daniel R., Raw similarity measures of shared parasites: An empirical tool for determining host phylogenetic relationships?, 203–207
Brooks, Daniel R., review by, 100–104
Brooks, Daniel R., see Funk, Vicki A., and –
Bundinja, 426
  carpentaria, 427, 428

Caiman, 236, 237
Caledia, 453
  captiva, 436, 451–453
Calitala major, 427
Callimunga isa, 428
Callinectes
  arcuatus, 422
  bellicosus, 422
  bocourti, 422
  exasperatus, 422
  latimanus, 422
  marginatus, 422
  sapidus, 417, 419–422
  toxotes, 422
Callita, 435
Callitala major, 428
Campbell, N. A., and William R. Atchley, The geometry of canonical variate analysis, 268–280
Cancer, 419
  antennarius, 421
  borealis, 421
  edwardsii, 421
  irroratus, 421
  magister, 421
  novaezelandiae, 421

oregonensis, 416, 421
pagurus, 416, 421
polyodon, 421
porteri, 421
productus, 420, 421
Canonical variate analysis, 268–280
Capitella, 126
Capsigera foliosa, 427, 428
Carcinus maenas, 408
Caribbean vertebrates, 147–155, 370–372
Carpilius, 410, 413, 418, 419, 421
convexus, 415
corallinus, 415
maculatus, 415, 416
Cartesian coordinates, 32–40
Cavalli-Sforza, L. L., see Astolfi, Paola, –
Chernoff, B., see Humphries, J. M., –
Chrysemys, 204–207
scripta, 205
Cladistics, 1–11, 41–57, 229–249, 373–376, 459–491, 491–498
Cladistics and plant systematics: Problems and prospects (rev.), 373–376
Classification, 459–491
methods, 250–267
predictivity and stability, 325–331
Cluster analysis, 156–169
Cnemidophorus, 152
Cobben, R. H., The recognition of grades in Heteroptera and comments on R. Schuh's cladograms, 181–191
Coefficients of variation, 58–70
Coevolution, 229–249
Colias, 440
Colless, Donald H., Predictivity and stability in classifications: Some comments on recent studies, 325–331
Comparative study of data and ordination techniques based on a hybrid swarm of sand verbenas (*Abronia* Juss.), a, Richard A. Pimentel, 250–267
Comparing numerical taxonomic studies, F. James Rohlf and Robert R. Sokal, 459–491
Comparison,
evolutionary trees, 156–169
out-group, 1–11
Comparison of methods for reconstructing evolutionary trees, a, Paola Astolfi, Kenneth K. Kidd, and L. L. Cavalli-Sforza, 156–169
Compositae, 432
Congruence, 281–290, 309–325, 331–351, 351–370
Congruence among character sets in phylogenetic studies of the frog genus *Leptodactylus*, Michael M. Miyamoto, 281–290
Coregonus
nigripinnis, 305–307
zenithicus, 305–307
Corruccini, Robert S., Analytical techniques for Cartesian coordinate data with reference to the relationship between *Hylobates* and *Symphalangus* (Hylobatidae; Hominoidea), 32–42
Corvus
cornix, 438
corone, 438
Costa Rica, 281–290
Crab claw size, 406–424
Cracraft, Joel, review by, 219–221
Cracraft, Joel, see Eldredge, Niles, and –
Crania, 32–40
Crinia laevis, 437, 453
Crocodylus, 235–237
Crois pinguis, 427
Crustacea, 387–405
Cryptotis, 153
Crystallodytes, 19
Ctenomorpha chronus, 437
Culmacris, 433, 435
diversa, 435
Cura, 71, 72, 75
Cyprinodon, 294
beltrani, 300–302
maya, 300–302

Darwinian, 22–31
Data properties, 250–267
Davis, George M., The origin and evolution of the gastropod family Pomatiopsidae, with emphasis on the Mekong River Triculinae (rev.), 115–118
Definitive indicators of relationships: A response to Cobben, comments on, Randall T. Schuh, 192–197
Dendrocelidae, 71, 72
Didymuria, 446, 453
violescens, 436
Discriminant analysis, 125–146, 250–267, 268–280, 291–308
Dispersal, 147–155
Diversity gradients, 406–424
Dixonina nemoptera, 126
Drosophila, 126, 402, 403, 478, 480, 489
Dugesia, 71
dorotocephala, 72, 74
tigrina, 74
Dugesiidae, 71, 72

Echinocephalus daileyi, 249
Echinorhynchidae, 249
Elder, R. L., see Humphries, J. M., –
Eldredge, Niles, and Joel Cracraft, Phylogenetic patterns and the evolutionary process: Method and theory in comparative biology (revs.), 88–94, 94–98
Electrophoresis, 125–146, 281–290
Eleutherodactylus, 152, 284
diastema, 282
escoces, 282
fitzingeri, 282
ridens, 282
Elipesurus spinicauda, 237, 238, 249
Elops, 126
Endemism, 12–21
Endodontidae, 19
Entomacrodus
chapmani, 19
cymatobiotus, 19
strasburgi, 19
Epicrates, 154

Eriphia, 411, 412, 422
gonagra, 409, 410, 414, 419, 421
scabricula, 418, 419
sebana, 409, 410, 414, 419
smithi, 409, 410, 414, 419
squamata, 407–410, 414, 419, 421
verrucosa, 409, 410, 414, 419
Eumastacidae, 425–458
Eutetrarhynchidae, 249
Eutetrarhynchus araya, 249
Evolutionary theory, 22–31
Evolutionary trees,
comparison of, 156–169

Farris, James S., review by, 208–214
Farris, James S., see Mickevich, M. F., and –
Farris, James S., see Schuh, Randall T., and –
Feduccia, Alan, The age of birds (rev.), 219–221
Filoraba phallica, 427, 428
Fishes, 41–57, 125–146, 291–308
Fitch, Walter M., The fourteenth annual Numerical Taxonomy Conference, 81–83
Flindersella acuticercus, 428
Forey, Peter L., see Rosen, Donn E., –
Fossil record, 147–155
Founder principle, 12–21
Francke, Oscar F., review by, 501–506
Funk, V. A., review by, 214–217
Funk, Vicki A., and Daniel R. Brooks, National Science Foundation workshop on the theory and application of cladistic methodology. Organized by T. Duncan and T. Stuessy. University of California, Berkeley, 22–28 March 1981, 491–498
Furculifera gracilifurca, 427, 428

Gardiner, Brian G., see Rosen, Donn E., –
Gavialis, 235–237
Geckomima, 435
Geocrinia
laevis, 437, 452, 453
victoriana, 437, 452, 453
Geographic variation in variability of *Pemphigus populicaulis*, Jacqueline Bird, Bruce Riska, and Robert R. Sokal, 58–70
Geometry of canonical variate analysis, the, N. A. Campbell and William R. Atchley, 268–280
Ghiselin, Michael T., review by, 218–219
Girardia, 72
Glaucidium brasilianum, 80
Gnathostomidae, 249
Graptemys, 205–207
Grasshoppers, 425–458
Greater Antilles, 147–155
Gremigni, Vittorio, Ultrastructural characters in planarian taxonomy: A reply to S. Tyler, 74–76
Gryllotalpa, 446

Habita gutturalis, 85
Haderlie, Eugene C., see Morris, Robert H., –
Hanson, Earl D., review by, 100–104
Hastella obtusipinnis, 427, 428, 435
Hawaiian Islands, 12–21
Heck, Kenneth L., Jr., see Abele, Lawrence G., –
Heide, 435
Helichrysum, 432
Hemiramphus depauperatus, 19
Hemiuridae, 249
Hennig's parasitological method: A proposed solution, Daniel R. Brooks, 229–249
Hennig, Willi, Insect phylogeny (rev.), 376–378
Herbert Spencer's theorem, Søren Løvtrup, 197
Heteroptera, 181–191
Hoffman, Richard L., Classification of the Diplopoda (rev.), 217–218
Holarctic, 170–180
House, M. R., The origin of major invertebrate groups (rev.), 100–104
Humphries, J. M., F. L. Bookstein, B. Chernoff, G. R. Smith, R. L. Elder, and S. G. Poss, Multivariate discrimination by shape in relation to size, 291–308
Hybridization, 425–458
Hyla, 478, 480, 488
H[ylarana] temporalis, 180
Hylobates, 32–40
agilis, 33
concolor, 32, 33, 35, 36, 38
entelloides, 33
hoolock, 33, 35
klossii, 33
lar, 35, 37
moloch, 33
muelleri, 33, 34
pileatus, 33
vestitus, 33
Hylobatidae, 32–40
Hyporhamphus acutus, 19

Icteridae, 85
Icterus
bullocki, 85
galbula, 85
Implications of congruence in *Menidia*, the, M. F. Mickevich and James S. Farris, 351–370
Isolating mechanisms and modalities of speciation in the *Jaera albifrons* species complex (Crustacea, Isopoda), Michel Solignac, 387–405

Jaera
albifrons, 387–405
forsmani, 387–390, 393, 397–399
ischiosetosa, 387–390, 392–394, 396, 398
paucahirsuta, 398, 399
posthirsuta, 387–390, 393, 396
praehirsuta, 387–390, 393, 395–399
syei, 388, 400
Jarvik, Erik, Basic structure and evolution of vertebrates (rev.), 506–508
Jarvik, Erik, review by, 378–384
Jensen, Richard J., and Clyde D. Barbour, A phylogenetic reconstruction of the Mexican cyprinid fish genus *Algansea*, 41–57

Key, K. H. L., Species, parapatry, and the morabine grasshoppers, 425–458

Keyacris
marcida, 433, 453
scurra, 432, 433, 446, 453
Kidd, Kenneth K., see Astolfi, Paola, –
Kitts, David B., review by, 94–98
Kitts on Popper: A reply, Tom Settle, 200–202
Kluge, Arnold G., review by, 508–511

Lamarck and systematics, Pascal Tassy, 198–200
Larus, 438
Least squares, 156–169
Leiocephalus, 151, 154
Leotichius, 338, 339
Leptodactylidae, 281–290
Leptodactylus, 281–290
bolivianus, 281–286, 288
fragilis, 281
fuscus, 281, 287
latinasus, 288
melanonotus, 281–288
ocellatus, 281, 287
pentadactylus, 281–288
poecilochilus, 281–288
Leptopodomorpha, 309–325, 331–351
Leptosalda, 338, 342
Liolopidae, 233
Litoria
ewingi, 437, 454
paraewingi, 437, 454
Løvtrup, Søren, Herbert Spencer's theorem, 197
Løvtrup, Søren, Macroevolution and punctuated equilibria, 498–500
Luckett, W. Patrick, Comparative biology and evolutionary relationships of tree shrews (rev.), 107–111

MacFadden, Bruce J., Comments on Pregill's appraisal of historical biogeography of Caribbean vertebrates: Vicariance, dispersal, or both?, 370–372
Macroevolution and punctuated equilibria, Søren Løvtrup, 498–500
Marcus, Leslie F., review by, 99–100
Maximum likelihood, 156–169
Megalomys, 153
Megalops, 126
Megapriapus ungriai, 249
Melanosuchus, 235, 236
Menidia, 126, 351–370
audens, 355, 358–360
beryllina, 355, 358–360
extensa, 355, 358–360, 366
menidia, 355, 358–360, 363, 364, 366
peninsulae, 358, 359
Menippe
mercenaria, 420
nodifrons, 420
obtusa, 420
Methods for investigating taxonomic congruence and their application to the Leptopodomorpha, Randall T. Schuh and James S. Farris, 331–351
Mexico, 41–57
Mickevich, M. F., and James S. Farris, The implications of congruence in *Menidia*, 351–370
Microcomplement fixation, 170–180
Minimum average covariance, 156–169
Mitter, Charles, "Cladistics" in botany (a review), 373–376
Miyamoto, Michael M., Congruence among character sets in phylogenetic studies of the frog genus *Leptodactylus*, 281–290
Miyazaki, Joan M., review by, 115–118
Modes of speciation, 387–405
Montanoa, 493
Moraba, 435
darwinensis, 433
walkeri, 433
Morabinae, 425–458
Moritala hasta, 427
Morphometrics, 291–308
Morris, Robert H., Donald P. Abbott, and Eugene C. Haderlie, Intertidal invertebrates of California (rev.), 218–219
Multivariate analysis, 268–280, 291–308
assumptions, 250–267
Multivariate discrimination by shape in relation to size, J. M. Humphries, F. L. Bookstein, B. Chernoff, G. R. Smith, R. L. Elder, and S. G. Poss, 291–308
Mus
domesticus, 454
musculus, 398, 438, 451, 454
Mytilus edulis, 408

Namatjira aliceae, 427, 428
Nanihospita acaudata, 427, 428
National Science Foundation workshop on the theory and application of cladistic methodology. Organized by T. Duncan and T. Stuessy. University of California, Berkeley, 22–28 March 1981, Vicki A. Funk and Daniel R. Brooks, 491–498
Natrix natrix, 250
Natural selection, 22–31
Nelson, Gareth, and Donn E. Rosen (eds.), Vicariance biogeography: A critique (rev.), 501–506
Nelson, Gareth, review by, 217
Nerodia
fasciata, 87
sipedon, 87
Nesophontes, 152, 153, 370, 371
Nonlinearity, 250–267
Nonlinear mapping, 250–267
Nonmetric multidimensional scaling, 250–267
Nothofagus, 79
Null hypothesis, 406–424
Numerical taxonomy, 81–83, 459–491
Numerical taxonomy conference, the fourteenth annual, Walter M. Fitch, 81–83

Ochteridae, 335
Onchobothriidae, 249
Ophisaurus, 152
Ordination, 41–57, 250–267
Oryzomys, 153
Osteolaemus, 235–237
Ostracion whitleyi, 19
Out-group comparison method of character analy-

sis, the, Larry E. Watrous and Quentin D. Wheeler, 1–11
Ozius, 419, 421, 422
granulosus, 420
guttatus, 420
hawaiiensis, 420
perlatus, 420
reticulatus, 420
rugulosus, 420
tenuidactylus, 420
truncatus, 420
tuberculosus, 420
verreauxii, 420

Paleosuchus, 235, 236
Panchen, A. L. (ed.), The terrestrial environment and the origin of land vertebrates (rev.), 508–511
Parapatry, 425–458
Paraphyly, 170–180
Paravitellotrema overstreeti, 249
Parthenopidae, 418
Parus, 438
Patterson, Colin, see Rosen, Donn E., –
Pemphigus populicaulis, 58–70
Phenetics, 459–491
Phloeoxena, 6
Phyllobothriidae, 249
Phylogenetic reconstruction of the Mexican cyprinid fish genus *Algansea*, a, Richard J. Jensen and Clyde D. Barbour, 41–57
Phylogenetic relationships, 281–290
Phylogenetics, 459–491
Phylogeny, 229–249
Pierrot-Bults, A. C., see van der Spoel, S., and –
Pimentel, Richard A., A comparative study of data and ordination techniques based on a hybrid swarm of sand verbenas (*Abronia* Juss.), 250–267
Pimentel, Richard A., Morphometrics: Multivariate analysis of biological data (rev.), 99–100
Planaria, 74
Planariidae, 71, 72
Plate movement and island integration—A possible mechanism in the formation of endemic biotas, with special reference to the Hawaiian Islands, Gary M. Rotondo, Victor G. Springer, Geoffrey A. J. Scott, and Seymour O. Schlanger, 12–21
Podisma pedestris, 435–453
Polarity, 1–11
Polycelis, 72, 74
Polyphyly, 41–57
Populus
acuminata, 60
deltoides, 60
sargentii, 60
wislizenii, 60
Portunidae, 417, 418
Poss, S. G., see Humphries, J. M., –
Post, Thomas J., and Thomas Uzzell, The relationships of *Rana sylvatica* and the monophyly of the *Rana boylii* group, 170–180
Potamotrygon
circularis, 238, 249
falkneri, 237, 249
hystrix, 237, 238, 249
magdalenae, 237, 238, 249
motoro, 237, 249
reticulatus, 237, 238, 249
yepezi, 237, 238, 249
Potamotrygonocestus, 249
Predaceous crabs, 406–424
Prediction, 22–31
Predictivity and stability in classifications: Some comments on recent studies, Donald H. Colless, 325–331
Pregill, Gregory K., An appraisal of the vicariance hypothesis of Caribbean biogeography and its applications to West Indian terrestrial vertebrates, 147–155
Pregill's appraisal of historical biogeography of Caribbean vertebrates: Vicariance, dispersal, or both?, comments on, Bruce J. MacFadden, 370–372
Price, Peter W., Evolutionary biology of parasites (rev.), 100–104
Principal component analysis, 250–267, 268–280, 291–308
Principal coordinate analysis, 250–267
Prorifera, 435
spanner, 428
Proscopiidae, 435
Proscopiomima consobrina, 427
Prosthecereaus floridanus, 75
Pseudocarcinus gigas, 420
Pseudomys, 204–207
scripta, 206
Punctuated equilibria, 498–500

Quantitative systematics, 229–249

Rana, 170–180, 478, 480, 487, 489
amurensis, 171, 176
areolata, 175
aurora, 171–178, 180
boylii, 170–180
camerani, 171, 176
capito, 171, 175, 176
cascadae, 173, 177
catesbeiana, 171–178, 180
clamitans, 171, 175, 176, 180
dalmatina, 171, 175, 176
graeca, 176
grylio, 175
japonica, 171, 176
lessonae, 171–175, 177
muscosa, 171–178
occipitalis, 180
palustris, 171, 175, 176
pipiens, 171–178, 180
pretiosa, 171, 176, 177
sylvatica, 170–180
temporaria, 170–179
utricularia, 171, 175, 176
virgatipes, 175
warschewitschii, 171, 176
Raw similarity measures of shared parasites: An

empirical tool for determining host phylogenetic relationships?, Daniel R. Brooks, 203–207
Recognition of grades in Heteroptera and comments on R. Schuh's cladograms, the, R. H. Cobben, 181–191
Relationships of *Rana sylvatica* and the monophyly of the *Rana boylii* group, the, Thomas J. Post and Thomas Uzzell, 170–180
Remarks on Willis' species concept, E. O. Wiley, 86–87
Rhinebothrium paratrygoni, 238, 249
Rhinebothroides, 249
scorzai, 238
Rhinichthys
cataractae, 303, 304
osculus, 303, 304
Rhodax, 71
Richardsonius balteatus, 303, 304
Riska, Bruce, see Bird, Jacqueline, –
Rohlf, F. James, and Robert R. Sokal, Comparing numerical taxonomic studies, 459–491
Rohlf, F. James, see Sokal, Robert R., and –
Root placement, 156–169
Rosen, Donn E., Peter L. Forey, Brian G. Gardiner, and Colin Patterson, Lungfishes, tetrapods, paleontology, and plesiomorphy (rev.), 378–384
Rosen, Donn E., see Nelson, Gareth, and –
Rotondo, Gary M., Victor G. Springer, Geoffrey A. J. Scott, and Seymour O. Schlanger, Plate movement and island integration—A possible mechanism in the formation of endemic biotas, with special reference to the Hawaiian Islands, 12–21

Saldidae, 338
Saldolepta, 342
kistnerorum, 331
Salmea, 79
Sand verbenas, 250–267
Sceloporus grammicus, 437, 447, 454
Schiller, Joseph, Physiology and classification: Historical relations (rev.), 217
Schlanger, Seymour O., see Rotondo, Gary M., –
Schuh, Randall T., and James S. Farris, Methods for investigating taxonomic congruence and their application to the Leptopodomorpha, 331–351
Schuh, Randall T., Comments on definitive indicators of relationships: A response to Cobben, 192–197
Schuh, Randall T., Willi Hennig Society: Report of first annual meeting, 76–81
Scorpaena coniorta, 19
Scott, Geoffrey A. J., see Rotondo, Gary M., –
Segment length, 156–169
Settle, Tom, Kitts on Popper: A reply, 200–202
Sexual isolation, 387–405
Shaklee, James B., and Clyde S. Tamaru, Biochemical and morphological evolution of Hawaiian bonefishes (*Albula*), 125–146
Shear, William A., review by, 217–218
Simberloff, Daniel S., see Abele, Lawrence G., –
Single linkage, 156–169
Size-free shape, 291–308
Smith, G. R., see Humphries, J. M., –
Sokal, Robert R., and F. James Rohlf, Taxonomic congruence in the Leptopodomorpha re-examined, 309–325
Sokal, Robert R., see Bird, Jacqueline, –
Sokal, Robert R., see Rohlf, F. James, and –
Solenodon, 152, 153, 370, 371
Solignac, Michel, Isolating mechanisms and modalities of speciation in the *Jaera albifrons* species complex (Crustacea, Isopoda), 387–405
Spalax, 454
ehrenbergi, 438
Speciation, 125–146
Species an interbreeding unit, or an internally similar part of a phylogenetic tree?, is a, Edwin O. Willis, 84–85
Species, parapatry, and the morabine grasshoppers, K. H. L. Key, 425–458
Spectral analysis, 156–169
Spectriforma, 433, 435
Spencer, Herbert, 197
Spilanthes, 79
Spiranthes haematobium, 205, 206
Springer, Victor G., see Rotondo, Gary M., –
Stace, Clive A., Plant taxonomy and biosystematics (rev.), 214–217
Steele, E. J., Somatic selection and adaptive evolution: On the inheritance of acquired characters (rev.), 111–115
Stiletta nitida, 427, 428
Structure and dynamics of Darwinian evolutionary theory, Juha Tuomi, 22–31
Swanea carbolineata, 427
Symphalangus, 32–40
syndactylus, 33

Tamaru, Clyde S., see Shaklee, James B., and –
Tassy, Pascal, Lamarck and systematics, 198–200
Taxonomic congruence in the Leptopodomorpha re-examined, Robert R. Sokal and F. James Rohlf, 309–325
Tectonics, 12–21, 147–155
Terranova edcaballeroi, 249
Themeda, 433
australis, 432
Thomomys, 438
Thraupidae, 85
Todus, 154
Tree structure, 156–169
Tropidophis, 154
Tuomi, Juha, Structure and dynamics of Darwinian evolutionary theory, 22–31
Tyler, Seth, Ultrastructural characters in planarian taxonomy: Another point of view, 71–73

Ultrastructural characters in planarian taxonomy: A reply to S. Tyler, Vittorio Gremigni, 74–76
Ultrastructural characters in planarian taxonomy: Another point of view, Seth Tyler, 71–73
Uzzell, Thomas, see Post, Thomas J., and –

van der Spoel, S., and A. C. Pierrot-Bults, Zooge-

ography and diversity of plankton (rev.), 119–120
Vandiemenella, 433, 444, 446, 447, 450, 451
viatica, 453
Vankin, G. Lawrence, review by, 111–115
Van Ryzin, J. (ed.), Classification and clustering (rev.), 208–214
Variability profiles, 58–70
Vermeij, Geerat J., see Abele, Lawrence G., –
Vicariance, 12–21, 147–155, 370–372
Vicariance hypothesis of Caribbean biogeography and its application to West Indian terrestrial vertebrates, an appraisal of the, Gregory K. Pregill, 147–155

Wagner analysis, 281–290
Warramaba virgo, 426
Warramunga, 426, 435
desertorum, 428
Watrous, Larry E., and Quentin D. Wheeler, The out-group comparison method of character analysis, 1–11
Weitzman, Stanley H., review by, 506–508
Wheeler, Quentin D., review by, 88–94
Wheeler, Quentin D., see Watrous, Larry E., and –
Wiley, E. O., Remarks on Willis' species concept, 86–87
Willi Hennig Society: Report of first annual meeting, Randall T. Schuh, 76–81
Willis, Edwin O., Is a species an interbreeding unit, or an internally similar part of a phylogenetic tree?, 84–85

Xenopus, 478–481, 487